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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>		Complete if Known	
		Application Number	09/493,338
		Filing Date	January 28, 2000
		First Named Inventor	Toporek, Jerome D. et al.
		Art Unit	2665
Examiner Name	Justin M. Philpott		
Sheet	1	of	5
		Attorney Docket Number	16625-001110

U.S. PATENT DOCUMENTS+				
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
JMP	AA	US-4,018,993	04-19-1977	Nils Herbert Edstrom
JMP	AB	US-4,135,156	01-16-1979	Royden C. Sanders et al.
JMP	AC	US-4,599,647	07-08-1986	Ashok K. George et al.
JMP	AD	US-4,686,698	08-11-1987	E. Neal Tompkins et al.
JMP	AE	US-4,720,873	01-19-1988	Ricky R. Goodman et al.
JMP	AF	US-4,724,520	02-09-1988	Peter M. Athanas et al.
JMP	AG	US-4,736,422	04-05-1988	Arthur G. Mason
JMP	AH	US-4,775,974	10-04-1988	Kazutomo Kobayashi
JMP	AI	US-4,777,657	10-11-1988	Norman J. Gillaspie
JMP	AJ	US-4,793,813	12-27-1988	David L. Bitzer et al.
JMP	AK	US-4,802,215	01-31-1989	Arthur G. Mason
JMP	AL	US-4,829,569	05-09-1989	Nigel Seth-Smith et al.
JMP	AM	US-4,841,526	06-20-1989	Jon C. Wilson et al.
JMP	AN	US-4,893,307	01-09-1990	Douglas B. McKay et al.
JMP	AO	US-4,924,303	05-08-1990	Daniel Brandon et al.
JMP	AP	US-4,933,936	06-12-1990	Robert D. Rasmussen et al.
JMP	AQ	US-4,940,963	07-10-1990	Jose Gutman et al.
JMP	AR	US-4,959,872	09-25-1990	Kabushiki Kaisha Toshiba
JMP	AS	US-5,019,910	05-28-1991	Donald D. Filmer
JMP	AT	US 5,029,207	07-02-1991	Keith B. Gammie
JMP	AU	US 5,058,138	10-15-1991	John A. Figura et al.
JMP	AV	US 5,101,267	03-31-1992	Fernando Morales-Garza
JMP	AV	US 5,101,478	03-31-1992	Andrew N. Fu et al.
JMP	AX	US 5,111,504	05-05-1992	James N. Esserman et al.
JMP	AW	US 5,131,010	07-14-1992	Charles L. Derrenge et al.
JMP	AX	US 5,157,662	10-20-1992	Katsumi Tadamura et al.
JMP	AY	US 5,159,592	10-27-1992	Charles E. Perkins
JMP	AZ	US 5,161,194	11-03-1992	Mikio Ujie
JMP	BA	US 5,181,200	01-19-1993	Colin G. Harrison
JMP	BB	US 5,193,151	03-09-1993	Rajendra K. Jain
JMP	BC	US 5,223,923	06-29-1993	Fernando Morales-Garza
JMP	BD	US 5,237,610	08-17-1993	Keith Gammie et al.
JMP	BE	US 5,249,164	09-28-1993	Mark C. Koz
JMP	BF	US 5,257,369	10-26-1993	Marion D. Skeen et al.
JMP	BG	US 5,303,042	04-12-1994	Howard S. Lewis et al.
JMP	BH	US 5,309,351	05-03-1994	Joseph H. McCain et al.
JMP	BI	US 5,319,705	06-07-1994	Bernard J. Haller et al.
JMP	BJ	US 5,319,707	06-07-1994	Anthony J. Wasilewski et al.
JMP	BL	US 5,319,712	06-07-1994	Louis D. Finkelstein et al.
JMP	BM	US 5,321,542	06-14-1994	Richard F. Freitas et al.
JMP	BN	US 5,335,276	08-02-1994	E. Earle Thompson et al.

Examiner Signature		Date Considered	Dec. 3, 2004
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of

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Sheet	2	of	5	Attorney Docket Number	16625-001110
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U.S. PATENT DOCUMENTS+

Examiner Initials ¹	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JMP	BO	US 5,337,044	08-09-1994	David Folger et al.	
JMP	BP	US 5,341,425	08-23-1994	Anthony J. Wasilewski et al.	
JMP	BQ	US 5,347,304	09-13-1994	Eduardo J. Moura et al.	
JMP	BR	US 5,359,367	10-25-1994	Trevor R. Stockill	
JMP	BS	US 5,367,571	11-22-1994	Donald H. Bowen et al.	
JMP	BT	US 5,387,994	02-07-1995	Michael D. McCormack et al.	
JMP	BU	US 5,394,561	02-28-1995	Thomas A. Freeburg	
JMP	BV	US 5,400,401	03-21-1995	Anthony J. Wasilewski et al.	
JMP	BW	US 5,404,505	04-04-1995	Frank H. Levinson	
JMP	BX	US 5,404,583	04-04-1995	Farzin Lalezari et al.	
JMP	BY	US 5,412,660	05-02-1995	David T. Chen et al.	
JMP	BZ	US 5,420,866	05-30-1995	Anthony J. Wasilewski	
JMP	CA	US 5,430,709	07-04-1995	James R. Galloway	RECEIVED Technology Center 2600
JMP	CB	US 5,452,357	09-19-1995	David Naccache	
JMP	CC	US 5,465,213	11-07-1995	Harvey M. Ross	
JMP	CD	US 5,481,609	01-02-1996	Michael Cohen et al.	
JMP	CE	US 5,506,904	04-09-1996	Wayne S. Sheldrick et al.	
JMP	CF	US 5,526,404	06-11-1996	Robert A. Wiedeman et al.	
JMP	CG	US 5,564,076	10-08-1996	Gerard Auvray	
JMP	CH	US 5,568,554	10-22-1996	Donald E. Eastlake	
JMP	CI	US 5,586,121	12-17-1996	Eduardo J. Moura et al.	
JMP	CJ	US 5,590,200	12-31-1996	Jacob B. Nachman et al.	
JMP	CK	US 5,592,173	01-07-1997	Chung Y. Lau et al.	
JMP	CL	US 5,594,490	01-14-1997	William P. Dawson et al.	
JMP	CM	US 5,594,776	01-14-1997	Paul W. Dent	
JMP	CN	US 5,594,782	01-14-1997	Robert G. Zicker et al.	
JMP	CO	US 5,608,446	03-04-1997	Daniel J. Carr et al.	
JMP	CP	US 5,627,528	05-06-1997	William J. Kuznicki	
JMP	CQ	US 5,634,190	05-27-1997	Robert A. Wiedeman	
JMP	CR	US 5,652,795	07-29-1997	Douglas M. Dillon et al.	
JMP	CS	US 5,659,350	08-19-1997	John S. Hendricks et al.	
JMP	CT	US 5,764,886	06-09-1998	Lin-Juan L. Danielson et al.	
JMP	CU	US 5,995,725	11-30-1999	Douglas M. Dillon	
JMP	CV	US 5,995,726	11-30-1999	Douglas M. Dillon	
JMP	CW	US 6,006,275	12-21-1999	Jose J. Picazo, Jr. et al.	
JMP	CX	US 6,014,378	01-11-2000	Joseph Michael Christie et al.	
JMP	CY	US 6,016,388	01-18-2000	Douglas M. Dillon	
JMP	CZ	US 6,041,356	03-21-2000	Mannan Mohammed	
JMP	DA	US 6,052,718	04-18-2000	David K. Gifford	
JMP	DB	US 6,067,561	05-23-2000	Douglas Dillon	

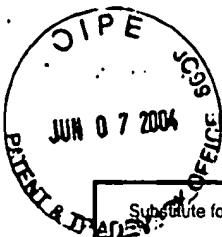
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/493,338
				Filing Date	January 28, 2000
				First Named Inventor	Toporek, Jerome D. et al.
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Sheet	4	of	5	JUN 14 2004	

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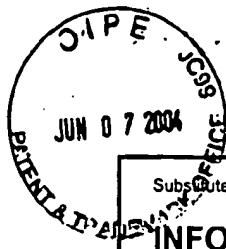
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
JMP	FA	E. Kass, <i>Satellite Communications, Information Week</i> , May 20, 1985, pgs. 44-47.		T ²
JMP	FB	Ian Y Chiou et al., <i>Campusnet: A Gateway-Network Approach To Interconnecting A Campus-Wide Internet</i> , Proceedings of IEEE INFOCOM '85 (Cat. No. 85 CH 2153-5) IEEE Comput. Soc. Press, 1985, pp. 168-177.		
JMP	FC	Barrie C. Kirk, <i>Satellite Communications And Data Network Design, Cips Review</i> , Vol. 13, No. 2, March-April 1989, Canada, pp. 14-15.		
JMP	FD	Joseph A. Sciulli, <i>Transmission-Delay Effects On Satellite Communications</i> , Telecommunications Techniques Corp., Rockville, MD, Vol. 12, No. 11, Nov. 1978, pp. 125-128.		
JMP	FE	Fouad A. Tobagi et al., <i>Packet Radio And Satellite Networks</i> , IEEE Communications Magazine, Vo. 22, No. 11, Nov. 1984, pp. 24-40, and 64.		
JMP	FF	Bijan Jabbari et al., <i>Performance Modeling And Simulation Of Inquiry-Response Computer Applications Using VSATs</i> , IEEE International Conference on Communications ICC '90 Including Supercomm Technical Sessions, SUPERCOMM ICC '90 Conference Record (Cat. No. 90 CH 2829-0), IEEE 1990, New York, NY, Vol. 2, pp. 376-80		
JMP	FG	D. Seret et al., <i>Satellite Channels For Distributed Data Systems</i> , Computer Performance, UK, Sept. 1984, Vol. 5, No. 3, pp. 153-158		
JMP	FH	Stephen Satchell, <i>Protocol Spooling: Fun With The Teletel Trailblazer Plus 19,200-BPS Modem</i> , InfoWorld, Feb. 15, 1988, Vol. 10, No. 7, p. 48(1).		
JMP	FI	Yukuo Hayashida et al., <i>Throughput Analysis Of Tandem Go-Back-N ARQ Scheme</i> , Transactions of the Institute of Electronics, Information and Communication Engineers B-1, Japan, March 1989, Vol. J72B-1, No. 3, pp. 219-25 and English Translation in Electronics and Communications in Japan, 1990, Part 1, Vol. 73, No. 4, pp. 11-18		
JMP	FJ	Yukuo Hayashida, <i>Delay Performances of Tandem Go-Back-N ARQ Scheme</i> , Electronics and Communications in Japan, 1990, Part 1, Vol. 73, No. 6, pp. 33-40.		
JMP	FK	Ulrich Quernheim et al., <i>Go-Back-N and Selective Repeat Error Control Techniques for Point-To-Multipoint Satellite Communications</i> , Space Communications, Netherlands, Nov. 1990, Vol. 7, Nos. 4-6, pp. 345-352.		
JMP	FL	Masaharu Komatsu, <i>Simple Go-Back-N ARQ Scheme for Satellite Channels With Double Acknowledgements</i> , Electronics and Communications in Japan, 1991, Part 1, Vol. 74, No. 5, pp. 55-61.		
JMP	FM	Dr. Christopher Landauer, <i>Intersystem Access Control Protocol Description</i> , Milcom '85 - Military Communications Conference, Boston MA, October 20-23, 1985, Conference Record, Vol. 2, (A86-32801 14-32) New York, Institute of Electrical and Electronics Engineers, Inc., 1985, pp. 399-403.		
JMP	FN	Stuart Warren, <i>The Teletel Worldblazer Modem; It Transmits Where Others Fail</i> , Teleconnect, Sept. 1993, Vol. 11, No. 9, pp. 1-2		
JMP	FO	Mark Luczak, <i>Linking LANS With X.25 Gateways</i> , Communications News, May 1990, Vo. 27, No. 5, pp. 1-2		
JMP	FP	P. W. Gayek, <i>Data Link Switching: Present and Future</i> , IBM Systems Journal, Sept. 1995, Vol. 34, No. 3, pp. 1-15.		

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JMP	FQ	Vinton G. Cerf, <i>Multivendor Connectivity And The Role Of Standards</i> , <u>Telecommunications</u> , Jan. 1989, Vol. 23, No. 1, pp. 1-4.		
JMP	FR	Steven Baker, <i>Joining The Internet Club</i> , <u>UNIX Review</u> , Oct. 1993, Vol. 11, No. 10, pp. 1-5.		
JMP	FS	SNA: Micom Increases SNA Performance In Data/Voice Networks, <u>EDGE</u> , on & about AT&T, Jan. 31, 1994, Vol. 9, No. 288, p. 1.		
JMP	FT	Karen Seo et al., <i>Distributed Testing And Measurement Across The Atlantic Packet Satellite Network (SATNET)</i> , <u>SATNET Measurement Taskforce</u> , pp. 235-246.		
JMP	FU	Dieter Baum, <i>Performance Analysis of a Satellite Communications Backchannel Architecture</i> , <u>Subdept. of Mathematics and Computer Science</u> , University of Trier, Germany, 1986, pp. 186-193.		
JMP	FV	Hari Balakrishnan et al., <i>A comparison of Mechanisms For Improving TCP Performance Over Wireless Links</i> , <u>1997 IEEE/ACM Transactions on Networking</u> , December 1997, Vol. 5, No. 6, pp. 756-769.		
JMP	FW	Hari Balakrishnan et al., <i>Improving Reliable Transport And Handoff Performance In Cellular Wireless Networks</i> , <u>Baltzer AG, Science Publishers</u> , Wireless Networks 1, 1995, pp. 469-481.		
JMP	FX	A. Udaya Shankar, <i>Verified Data Transfer Protocols With Variable Flow Control</i> , <u>ACM Transactions on Computer Systems</u> , Vol 7, No. 3, August 1989, pp. 281-316.		
JMP	FY	Edwin G. Brohm, <i>Sampling New Technologies Of Network Processors</i> , <u>Data Communications</u> , July 1984, pp. 143-147.		
JMP	FZ	Network Working Group, <i>Comment on RFC 1434 - Data Link Switching: Switch-to-Switch Protocol</i> , <u>Internet RFC/STD/FYI/BCP Archives</u> , www.faqs.org/rfcs/rfc 1434.html, 1/12/2004, pp. 1-25.		

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